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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,565	05/07/2007	Zeev Zalevsky	ZALEVSKY5	1383
	7590 09/29/200 D NEIMARK, P.L.L.C	EXAMINER		
624 NINTH ST		JONES, JAMES		
SUITE 300 WASHINGTON, DC 20001-5303			ART UNIT	PAPER NUMBER
			2873	
			MAIL DATE	DELIVERY MODE
			09/29/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Occurrence	10/575,565	ZALEVSKY ET AL				
Office Action Summary	Examiner	Art Unit				
	JAMES C. JONES	2873				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	J. nely filed the mailing date of this α D (35 U.S.C. § 133).	•			
Status						
1) Responsive to communication(s) filed on						
	- action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the n						
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 1-90 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-90 are subject to restriction and/or expressions.						
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of the	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CF	, ,			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National	Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species: The species are independent and distinct for the following reasons.

- I. Claims 1-72 and 82-88. Claims 1-64 are directed to a species of an optical system affecting intensity profile of the light beam to provide the illuminating light of a substantially rectangular uniform intensity profile. Claims 65-72 and 82-88 are being grouped together with claims 1-64 because they can be searched together without creating an undue burden on the examiner.
- II. Claim 73 is directed to a species of an optical system having the multi-pixel diffractive optical phase mask arrangement being configured to define a first array of the pixels, each of said pixels being patterned to define a second array of sub-pixels, said structured light being in the form of the spatially separated light beams arranged in accordance with said second array of pixels.
- III. Claim 74 is directed to a species of an optical system having multi-pixel diffractive optical phase mask arrangement comprising at least first and second multi-pixel diffractive optical phase masks arranged in a cascaded manner such that the first mask splits the light beam into a first array of spatially separated light beams, and the second mask splits each of said spatially separated light beams into a second array of spatially separated light beams.
- IV. Claims 75, 76 and 89. Claims 75 and 76 are directed to a species of an optical system having a predetermined array of spatially separated light beams of substantially

equal intensity value and profile. Claim 89 is being grouped together with claims 75 and 76 because they can be searched together without creating an undue burden on the examiner.

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V. Claims 77 and 78 are directed to a species of an optical system having a control unit configured and operable to carry out a sequencing mechanism to sequentially actuate the light source elements in accordance with a predetermined pattern.

VI. Claims 79 and 90. Claim 79 is directed to a species of an optical system having a mechanical scanner accommodated in said output optical path. Claim 90 is being grouped together with claim 79 because they can be searched together without creating an undue burden on the examiner.

VII. Claims 80 and 81 are directed to a species of an optical system having at least one of said at least two light sources being configured to produce structured light in form of an array of spatially separated light beams each of a substantially rectangular uniform intensity profile; a light combining arrangement for combining said at least two optical path into an output optical path; and a mechanical scanner accommodated in said output optical path.

The species are independent or distinct because claims to the different species recite the mutually exclusive characteristics of such species. In addition, these species are not obvious variants of each other based on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

There is an examination and search burden for these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the prior art applicable to one species would not likely be applicable to another species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record

showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

2. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. JONES whose telephone number is (571)270-1278. The examiner can normally be reached on Monday thru Friday, 8 a.m. to 5 p.m. est. time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James C. Jones/ Examiner, Art Unit 2873 9/24/2009

/Jordan M. Schwartz/ Primary Examiner, Art Unit 2873